

AMENDMENTS TO THE SPECIFICATION

(1) On page 1 of the specification, please amend the paragraph beginning “The present invention” as follows:

The present invention relates to an identification (“ID”) registration method for a tire air pressure sensor, an ID registration system, tire air pressure monitoring system, a tire air pressure sensor and a smart control system.

(2) On page 1 of the specification, please amend the paragraph beginning “This conventional tire air pressure” as follows:

This conventional tire air pressure monitoring system is designed such that an air pressure sensor is mounted on each of tires and an air pressure detection signal, together with a sensor identification (“ID”) (identification information, identification means), is transmitted from the air pressure sensor and then received by a tire pressure monitoring apparatus mounted on a vehicle body side so that, when there exists at least one tire unusual in air pressure, an indication appears on an indicator to issue an alarm.

(3) On page 2 of the specification, please amend the paragraph beginning “It is therefore” as follows:

It is therefore a first object of the present invention to reduce the manpower needed for an operation through which an identification (“ID”) of an air pressure sensor required for the ID collation in a tire air pressure monitoring system is registered so that the tire positions are identifiable.

- (4) On page 14 of the specification, please amend the paragraph beginning “FIG. 6” as follows:

FIG. 6 is a flow chart showing the contents of control processing for identification (“ID”) registration specifying tire positions, to be implemented in the receiving unit according to the first embodiment;

- (5) On page 16 of the specification, please amend the paragraph beginning “FIG. 4 is a block diagram” as follows:

FIG. 4 is a block diagram schematically showing a configuration of the receiving unit 10 according to this embodiment. The receiving unit 10 is made up of a band pass filter 11, an amplifier circuit 12, a detector circuit 13, a demodulator circuit 14, a low pass filter 15, and a waveform shaping circuit 16, which provides a function to convert the electric wave received through the antenna 30 into a digital data processible in a control unit 17. The control unit 17 comprises a computer including a CPU, a ROM, RAM and others. In this connection, in particular, the control unit 17 is equipped with an EEPROM 17a for registration of air pressure sensor IDs. In this EEPROM 17a, each of the air pressure sensor identifications (“ID”)s is registered in a state paired with information for specifying a tire position. Moreover, in addition to these components, the receiving circuit 10 includes a power supply circuit 18 and a power supply control circuit 19 and is made to be put into activation upon receipt of power supply from a vehicle-mounted battery 71. Still moreover, the control unit 17 is made to output control signals through an I/O port 17b to the indicator 50 and the smart control unit 20, and is made to receive a signal representative of a switching state of the ignition switch 72.

- (6) In the Abstract on page 36 of the application, please amend the Abstract to read:

Provided is a tire air pressure monitoring system in which identification (“ID”) registration is automatically made while specifying a tire position to reduce the manpower of the registration operation and further to prevent mistaken registration. In this system, when an ignition switch is changed from an OFF state to an ON state to satisfy a tire position detection

condition, a command is issued to a smart control unit so that a transmitter transmits an ID transmission request to an air pressure sensor, and the air pressure sensor returns ID data as a reply to the ID transmission request. The ID data received is collated with a previously registered ID and, if the result of the collation shows that the ID data pertains to the air pressure sensor of his/her own vehicle, the received ID data is registered as an ID related to a specific tire position.